

Liaoyi Xu

College of Animal Science
Zhejiang University
866 Yuhangtang Road,
Hangzhou 310058, PR China

Phone: +86 153-0659-5011
Email: i.y.teisuan@gmail.com

EDUCATION

- 2018 – 2021** M.A., Animal Science, **Zhejiang University**, Hanzghou, China
- 2014 – 2018** B.A., Life Science and Technology, **Southwest University for Nationalities**, Chengdu, China

RESEARCH EXPERIENCE

- 2018 – 2021** Master's Research, **Zhejiang University**
Focus on molecular mechanisms of innate immune system regulation
Thesis Title: Molecular Characteristics and Functional Analysis of *Bx42* in *Macrobrachium nipponense*
Supervisor: Haisheng Xu, *Ph.D.*
- 2014 – 2018** Bachelor's Research, **Southwest University for Nationalities**
Thesis Title: Cloning and bioinformatic analysis of inhibin alpha (*INHA*) gene in *Bos mutus*
Supervisor: Xiangdong Zi, *M.S.*

KEY SKILLS

- Cellular biology:** HEK293 cell culture, transfection and eukaryotic expression, dual-luciferase reporter assay, liquid and solid culture of bacteria, transfection and prokaryotic expression, confocal microscope, scanning electron microscope, flow cytometry.
- Molecular biology:** RNA/DNA extraction and purification, PCR, qRT-PCR, rapid amplification of cDNA ends (RACE), agarose gel electrophoresis, primer design, digestion, ligation, cloning, siRNA and dsRNA interference.
- Biochemistry:** Western blot, immunofluorescence, immunohistochemistry, enzymatic activity assay.

Computer proficiency: Master at GraphPad, Adobe Illustrator, FlowJo, ImageJ, Photoshop, SPSS, Word, Excel, PowerPoint etc.
Familiar with Linux, Bash, R, Python, C, \LaTeX , Tensorflow.
Beginner of Deep-learning (Convolutional Neural Networks, Recurrent Neural Network).

Interpersonal: Analytically minded, well-organized and conscientious.

Languages: English: good standard
(TOEFL: 93 – Reading 26, Listening 24, Speaking 22, Writing 21)
Chinese: native

AWARDS & HONORS

2021	Excellent Postgraduate Students' Award
2020	Sunshine Scholarship
2020	Graduate of Merit / Triple A Graduate
2020	Award of Honor for Graduate
2018 – 2020	Academic Scholarship
2018	Excellent Graduate Students' Award
2014 – 2018	The Agriculture & Forestry Scholarship

PUBLICATIONS

1. **Liaoyi Xu**, Xiefei Zhou, Yue Wu, JingJing Yang, Haisheng Xu* (2020) "A novel SNW/SKIP domain-containing protein, Bx42, is involved in the antibacterial responses of *Macrobrachium nipponense*" *Developmental & Comparative Immunology*.
DOI: [10.1016/j.dci.2020.103788](https://doi.org/10.1016/j.dci.2020.103788)
2. **Liaoyi Xu**, Yue Wu, Xiefei Zhou, Peichen Wang, Haisheng Xu* (2020) "Characterization and immune function of decapentaplegic (Dpp) gene from the oriental river prawn, *Macrobrachium nipponense*" *Fish & Shellfish Immunology*.
DOI: [10.1016/j.fsi.2020.08.044](https://doi.org/10.1016/j.fsi.2020.08.044)
3. **Liaoyi Xu**, Xiefei Zhou, Peichen Wang, Qian Jin, Tingyao Zhu, Ming Chen, Haisheng Xu* (2020) "The six LIM and one PET domain-containing protein Lmpt is involved in the immune response through activation of the NF- κ B signalling pathway in *Macrobrachium nipponense*" *Developmental & Comparative Immunology*.
DOI: [10.1016/j.dci.2020.103948](https://doi.org/10.1016/j.dci.2020.103948)
4. Wei Zhang, Qiangqiang Chen, **Liaoyi Xu**, Jianfeng Cai, Jinzhi Zhang* (2020) "The potential role of PSMA6 in modulating fat deposition in pigs by promoting preadipocyte proliferation and differ-

entiation” *Gene*.

DOI: [10.1016/j.gene.2020.145228](https://doi.org/10.1016/j.gene.2020.145228)

5. Yue Wu, Yuxiao Sun, Wanrong Zhang, Jingjing Yang, Xiefei Zhou, **Liaoyi Xu**, Peichen Wang, Haisheng Xu (2020) “Molecular cloning, characterization, and expression analysis of lipopolysaccharide-induced TNF- α factor (LITAF) in the mud crab, *Scylla paramamosain*” *Crustaceana*.
DOI: [10.1163/15685403-bja10037](https://doi.org/10.1163/15685403-bja10037)
6. Tingyao Zhu, Xiefei Zhou, Wei Zhang, Yue Wu, Jingjing Yang, **Liaoyi Xu**, Ming Chen, Weiren Dong*, Haisheng Xu* (2020) “Multiplex and real-time PCR for qualitative and quantitative donkey meat adulteration” *Journal of Food Measurement & Characterization*.
DOI: [10.1007/s11694-020-00717-5](https://doi.org/10.1007/s11694-020-00717-5)